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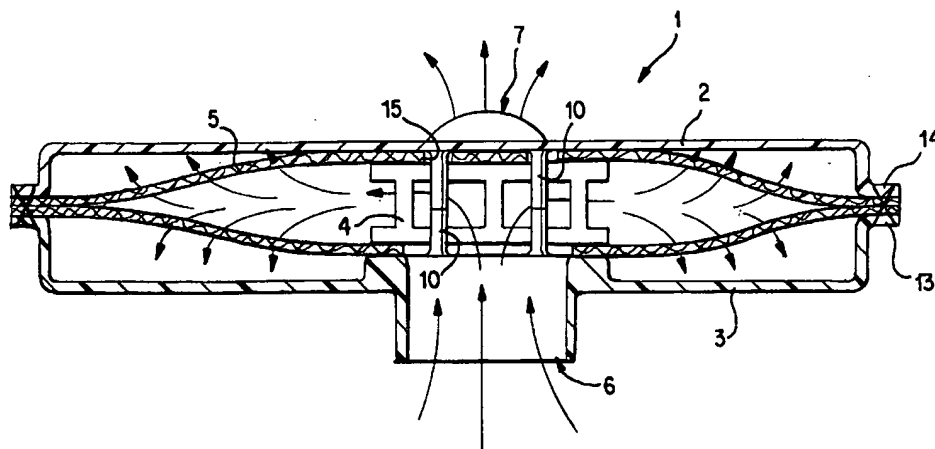
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*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: **PLASTIC TRANSMISSION FILTER**



(57) Abstract: A plastic transmission filter (1) composed of mating upper (2) and lower (3) shells of synthetic resin material with at least one set of registering weld posts (10) extending between inner surfaces of the upper and lower shells; a fluid pervious center tube (4) interposed between the mating shells around the weld posts, and a filter material (5) wrapped around the center tube to form a bag filter. The filter assembly can be welded together in a single vibration welding operation and provides enhanced flow of transmission fluid by avoiding flow restrictions caused by prior art reinforcement poles.

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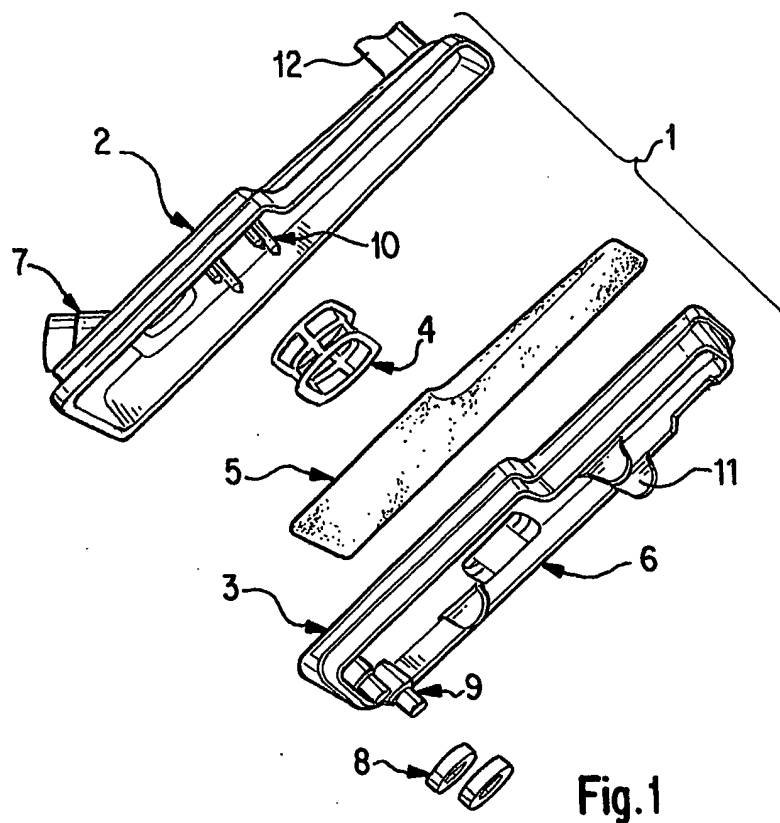


Fig. 1

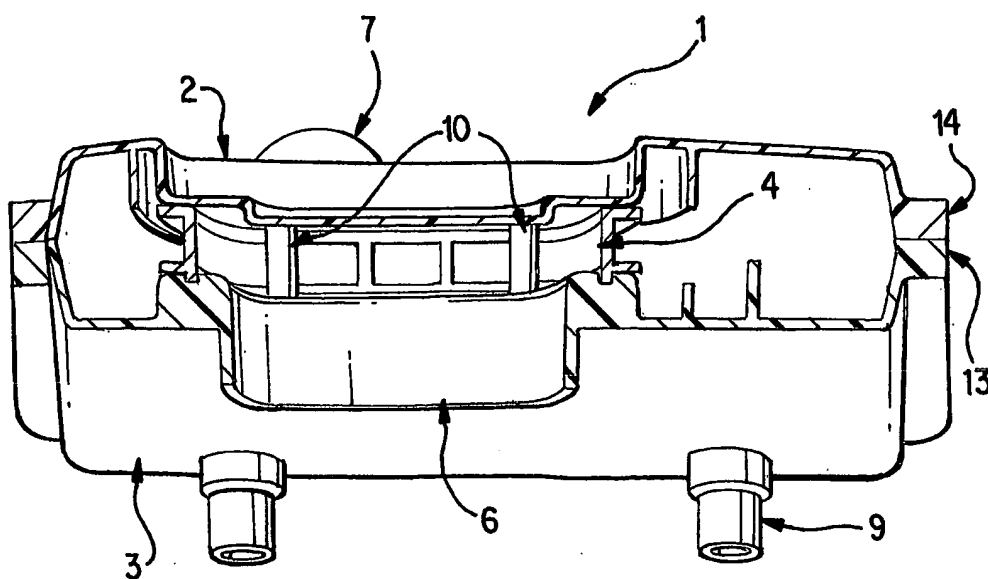


Fig. 2

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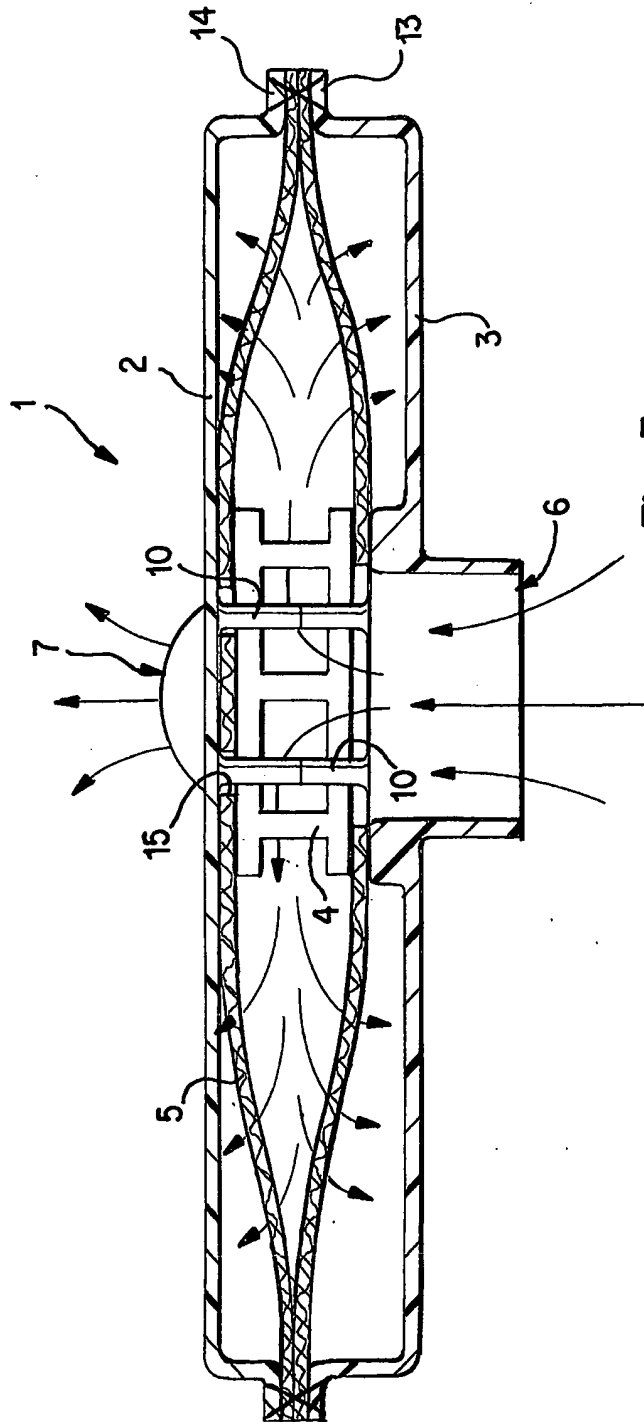


Fig. 3

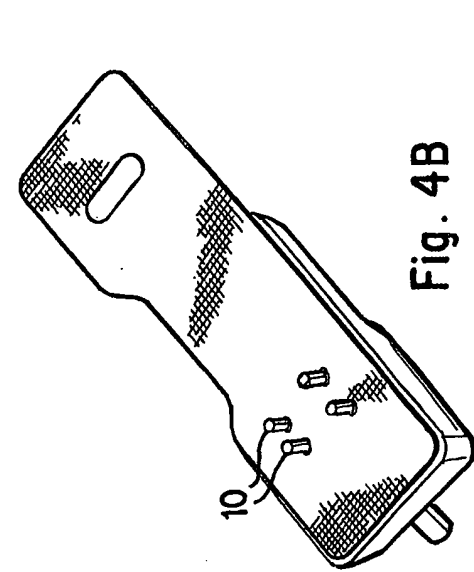


Fig. 4B

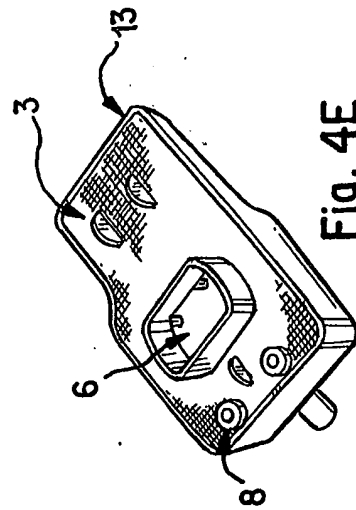


Fig. 4E

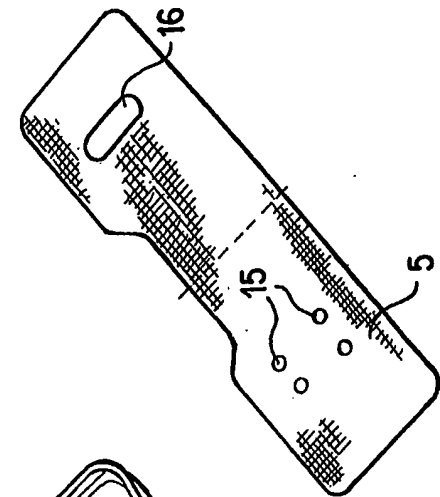


Fig. 4A

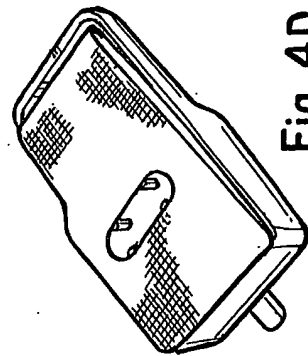


Fig. 4D

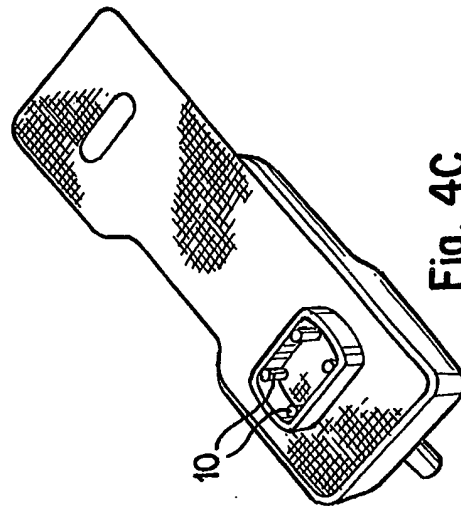


Fig. 4C

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/29250

## A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : B01D 35/02

US CL : 210/168, 171, 172, 437, 445, 486; 156/73.1

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 210/168, 171, 172, 437, 445, 486; 156/73.1

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,853,577 A (GIZOWSKI et al) 28 December 1998 (29.12.1998), column 2, line 15 to column 4, line 7.	1-13
A	US 5,049,274 A (LEASON et al) 17 September 1991 (17.09.1991), column 3, line 50 to column 8, line 53.	A

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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